Wilson Bulletin 117(4):428–441, 2005

PROCEEDINGS OF THE EIGHTY-SIXTH ANNUAL MEETING

SARA R. MORRIS, SECRETARY

The eighty-sixth annual meeting of the Wilson Ornithological Society was held Thursday, 21 April, through Sunday, 24 April 2005, at the Sheraton Hotel in Beltsville, Maryland, in joint session with the Association of Field Ornithologists. The meeting was hosted by the U.S. Geological Survey (USGS) Patuxent Wildlife Research Center and the Maryland Ornithological Society, in cooperation with Friends of Patuxent, the U.S. Fish and Wildlife Service (USFWS) Patuxent National Wildlife Visitor Center, and the University of Maryland, Baltimore County. The Local Committee was co-chaired by Richard C. Banks and Jay M. Sheppard and included Nell Baldacchino, Roger B. Clapp, Alicia Craig, Deanna Dawson, Mercedes S. Foster, Mary Gustafson, Judd Howell, Joseph R. Jehl, Jr., Janet Millenson, Kevin Omland, Keith Pardieck, Bruce Peterjohn, Chandler S. Robbins, Jeff Spendelow, and Monica Tomosy. Additional assistance during the meeting was provided by Evelyn Adkins, Claudia Angle, Sarah Bennett, Kinard Boone, Fred Fallon, Regina Lanning, Jerry Persall, Luther Poellnitz, Fred Shaffer, Rachel Sturge, Marilyn Whitehead, and the Friends of Patuxent Volunteers. Alicia Craig organized and coordinated the electronic presentations for the paper sessions and Liz Humphries, Chris Hofmann, Beatrice Kondo, Spring Ligi, Anne Logie, and Bryan Rosensteele served as projectionists and technical support staff.

The Council met from 13:10 to 17:45 in the Severn Room and again from 20:30 to 21:57 in the Wye Salon on Thursday, 21 April, at the Sheraton Hotel. That evening there was an opening reception in the Susquehanna-Potomac Ballroom from 18:00 to 21:00.

Early morning field trips were led on Friday, 22 April, to Greenbelt National Park and Greenbelt by Dave Mozurkewich, Lake Artemesia–Greenbelt by Fred Shaffer, historical sights and sea duck facility of the Patuxent Wildlife Research Center by Matthew Perry, and the Whooping Crane breeding and reintroduction facility of the Patuxent Wildlife Research Center by Kathy O'Malley. On Saturday, 23 April, early morning trips included Lake Artemesia led by Fred Shaffer, the central tract of the Patuxent Wildlife Research Center led by Fred and Jane Fallon and Barbara Dowell, and a Jug Bay boat trip led by Greg Kearns. Post meeting trips on Sunday, 24 April, included Ft. Smallwood Park–Prince Georges County led by David Mozurkewich and Fred Fallon, the C & O Canal at Seneca/Sycamore Landing led by Jim Stasz and Ed Boyd, and a pelagic trip led by Mary Gustafson and Paul and Anita Guris.

On Friday, 22 April, Dick Banks, Co-chair of the Local Committee, welcomed guests to the Susquehanna-Potomac-Patuxent Room at the Sheraton Hotel. Dick Banks then introduced Judd Howe, Director of the Patuxent Wildlife Research Center, who welcomed attendees and provided some of the ornithological history of the center, including its role as the home of the Breeding Bird Survey and the Bird Banding Laboratory. Gene Morton, President of the Association of Field Ornithologists, and Charles Blem, President of the Wilson Ornithological Society, welcomed attendees on behalf of the two societies. Jay Sheppard, Co-chair of the Local Committee, made several announcements about room changes, transportation for the poster session, and a request that students pick up their banquet tickets during the business meeting. Jim Rising, Chair of the Scientific Program, asked that attendees check the errata sheet for changes to the scientific program. Jed Burtt provided background on Margaret Morse Nice and introduced Dr. Eugene S. Morton of Smithsonian Migratory Bird Center and Dr. Bridget J. M. Stutchbury of York University, who presented the ninth annual Margaret Morse Nice Plenary Lecture. Their lecture "Territoriality . . . Beyond the Temperate Zone" discussed territoriality, extra-pair paternity, and breeding synchrony in both the temperate and tropical zones in an attempt to break out of the temperate zone bias. Two concurrent paper sessions were presented in the Severn-Lochraven Room and the Potomac-Susquehanna Rooms throughout the remainder of the scientific program. In addition to the Nice lecture, the scientific program included 76 contributed papers, organized into 10 paper sessions and 2 symposia—"Breeding Bird Survey" and "The Unselfish Gene: Honoring E. S. Morton's Contributions to Ornithology"—and 41 contributed posters.

The societies co-sponsored a student luncheon with "senior ornithologists" for 50 students at lunch on Friday. Friday evening, conferees attended the poster session and buffet reception at the Patuxent National Wildlife Refuge Visitors Center. Poster presenters were assigned to present their posters during half of the session, which provided additional room to view posters and fostered discussion.

On Saturday evening, a social hour preceded the annual banquet in the Ballroom of the Sheraton Hotel. After the dinner, Dick Banks thanked the local committee and all the individuals who had made the meeting a success. To present the Association of Field Ornithologists' awards, Gene Morton introduced Don Kroodsma, who presented the Bergstrom Awards, and Elissa Landre, who presented the Alexander Skutch Award. President Charles Blem briefly addressed the conferees, thanking Dick and Jay for hosting the meeting, the Local Committee for their service, and the Scientific Program Committee for a successful meeting. He thanked the retiring Members of Council for their service, welcomed the new Members of Council, and thanked all committee members for their hard

work. At that time the awards and commendations that follow were presented by Jed Burtt (Margaret Morse Nice Medal), Charles Blem (Student Research Awards), Doris Watt (Student Presentation Awards), and Bob Curry (Commendations). The Student Travel Awards and Commendations for John Smallwood and Martha Vaughan were presented at the Business Meeting. The meeting was adjourned by acclamation at 20:58.

MARGARET MORSE NICE MEDAL
(for the WOS plenary lecture)

Dr. Eugene S. Morton and Dr. Bridget J. M. Stutchbury, "Territoriality . . . Beyond the Temperate Zone."

LOUIS AGASSIZ FUERTES AWARD

Joel W. McGlothlin, Indiana University, "Phenotypic integration of sexually selected traits in Dark-eyed Juncos (*Junco hyemalis*)."

PAUL A. STEWART AWARDS

Julian Avery, Eastern New Mexico University, "The effects of habitat fragmentation on landscape-level processes and habitat associations of Nearctic-Neotropical migratory birds in New Mexico."

Aaron Ted Boone, Ohio State University, "Linking winter and migration events in a long-distance migratory songbird using stable-carbon isotope analysis."

Christy Anne Melhart, University of Arkansas, "Reproductive success and philopatry of Prairie Warblers, Blue-winged Warblers, Indigo Buntings, and Field Sparrows in declining scrub successional habitat in Connecticut."

Colin E. Studds, University of Maryland, "Linking non-breeding habitat occupancy to population processes in a Neotropical-Nearctic migratory bird."

WILSON ORNITHOLOGICAL SOCIETY STUDENT TRAVEL AWARDS

Colleen Bell, Canisius College, "A crash course in communications tower mortality: birds dying to become a statistic in western New York."

Kristen M. Covino, Canisius College, "Getting to the point: rectrix shape morphometrics in age discrimination of Ovenbirds."

Michael F. Gaydos, Xavier University, "Factors affecting parental nest attendance in Northern Mockingbirds (*Mimus polyglottos*)."

George S. Hamaoui, Jr., Ohio Wesleyan University, "Analysis of feather-degradation by *Bacillus licheniformis* from the plumage of Botteri's Sparrows living in wet and dry habitats in Arizona."

Jennifer McNicoll, New Mexico State University, "Burrowing Owl nest site selection on the Janos-Nuevo Casas Grandes, Mexico prairie dog complex."

Jennifer Newbrey, North Dakota State University, "Effects of nest contents and minimum daily temperature on female Yellow-headed Blackbird nest attentiveness."

Karan Odom, Ohio Wesleyan University, "Differences between vocalizations of wild-reared and human-reared birds of prey as an indication of learning within call development of owls and eagles."

Ashley M. Peele, Ohio Wesleyan University, "Feather damage in an albino Greater Frigatebird."

Jennifer Smolinski, Xavier University, "Numerical competence in wild Northern Mockingbirds (*Mimus polyglottos*)."

Rachel Sturge, University of Toronto, "The effects of habitat loss on the Savannah Sparrows (*Passerculus sandwichensis*) of La Perouse Bay, Manitoba."

Rebecca Suomala, University of New Hampshire, "Comparison of species distribution and habitat use during stopover on two islands in the Gulf of Maine."

Jennifer Urbanski, Canisius College, "Is shorter better? Does truncation increase the utility of open population models in stopover estimation?"

Kate E. Williamson, Ohio Wesleyan University, "The microbial ecology in the plumage of Neotropical migrants."

ALEXANDER WILSON PRIZE
(for the best student paper)

Christopher Hofmann, University of Maryland–Baltimore County, "Pigment co-deposition and the masking of carotenoids in Orchard and Fuertes's orioles."

LYNDS JONES PRIZE
(for the best student poster)

Beth A. Hahn, University of Michigan, "Using song playbacks to influence breeding habitat selection by American Redstarts."

Selection committee for the Nice Medal—William E. Davis, Jr. (Chair), Charles Blem, James Rising, and Doris Watt; for the Fuertes and Stewart Awards—Leann Blem (Chair), Charles Blem, Clait Braun, Dale Gawlik, Dale Kennedy, Dan Klem, David Podlesak, Craig Rudolph, and Doug White; for the Wilson Ornithological Society Travel Awards—Leann Blem (Chair); and for the Student Presentation Awards—Doris Watt (Chair), Alicia Craig, Bob Beason, Sandra Gaunt, and John Smallwood.

COMMENDATION

WHEREAS John A. Smallwood accepted the challenge of moving from his role as Secretary of the Wilson Ornithological Society to assume the post of

Editor of *The Wilson Bulletin* at the start of the new millennium; and

WHEREAS he served as Editor for the years 2001–2003 and oversaw completion of volumes 113, 114, and 115; and

WHEREAS John approached his duties with diligent effort, hard work, and careful attention to the quality of the Society's premiere publication;

THEREFORE BE IT RESOLVED that the Wilson Ornithological Society thanks John Smallwood for his important and valuable service to the Society.

COMMENDATION

WHEREAS Martha Vaughan served diligently as the Treasurer of the Wilson Ornithological Society over the past four years; and

RECOGNIZING that Martha brought to the position a degree of professionalism that has greatly increased the Society's ability to conduct operations, finances, and audits in a manner that fully reflects the organization's fiduciary responsibilities; and

RECOGNIZING that these improvements to the financial operations of the Society, by being instituted coincident with the doubling of the endowment through the William and Nancy Klamm bequest, represent an especially valuable contribution to the Society;

THEREFORE BE IT RESOLVED that the Wilson Ornithological Society expresses sincere gratitude to Martha for her important service to the Society.

COMMENDATION

WHEREAS Charles R. Blem served the Wilson Ornithological Society as its President for the past two years with honor and distinction; and

RECOGNIZING that this service represents the continuation of many years of dedicated contributions to the Wilson Ornithological Society in many capacities; and

RECOGNIZING that under Charles's leadership, the Wilson Ornithological Society began evaluating its opportunities and responsibilities in light of receipt of the William and Nancy Klamm bequest, which increased the Society's endowment twofold; and

RECOGNIZING that during his term as President, the Wilson Ornithological Society has initiated a period of reinvigoration and new direction, as exemplified by changing the name of the *Bulletin* to the *Wilson Journal of Ornithology*;

THEREFORE BE IT RESOLVED that the Wilson Ornithological Society extends its thanks to Charles for his friendship and service to the Society.

COMMENDATION

WHEREAS the Wilson Ornithological Society and the Association of Field Ornithologists jointly held their annual meetings in Beltsville, Maryland, with the sponsorship of the Patuxent Wildlife Research Center, USGS, and the Maryland Ornithological Society; and

RECOGNIZING that the Friends of Patuxent, the National Wildlife Visitor Center of the USFWS, and the University of Maryland–Baltimore County made important contributions as meeting cooperators, facilitating the conduct of the scientific program, special events, and field trips; and

RECOGNIZING that attendance at the joint meeting was large and diverse, with notable involvement of graduate and undergraduate students as presenters and as volunteers, including especially the dedicated efforts of projectionists Liz Humphries, Chris Hofmann, Beatrice Kondo, and Spring Ligi; and

RECOGNIZING that the Chair of the Scientific Program Committee, Jim Rising, arranged a rich and extensive program of oral presentations, posters, and symposia; and

RECOGNIZING that the Committee on Local Arrangements, chaired by Dick Banks with assistance especially from Jay Sheppard and a host of others, organized and carried out an exciting and rich scientific conference;

THEREFORE BE IT RESOLVED that the Wilson Ornithological Society and the Association of Field Ornithologists commend the Committee on Local Arrangements, the Scientific Program Committee, and all others who helped to make this meeting in Beltsville a great success and one that will be long remembered.

BUSINESS MEETING

President Charles Blem called the business meeting to order at 13:09 in the Ballroom of the Sheraton Hotel–College Park. He thanked Dick Banks and Jay Sheppard for hosting the meeting and then introduced the members of the Wilson Council.

Secretary Sara Morris presented a summary of the Council meeting, which was held Thursday, 21 April. As of 15 April 2005, the Wilson membership stood at 1,848 including 172 students and 104 new members. We also have 555 institutional subscriptions to *The Wilson Bulletin,* 73 of which are new. As part of the Ornithological Societies of North America (OSNA) report, Council learned of several Wilson members who passed away during the last year, and Sara Morris asked those assembled to stand while she read the following names: William W. Baum (Cleveland Heights, OH), Frank C. Bellrose, Jr. (Havana, IL), John H. Dick (Meggett, SC), Thomas H. Foster (Bennington, VT), Frederick Greeley (Amherst, MA), Peter Hall (St. George's, Granada), William A. Jenner (Ofallon, IL), Ernst Mayr (Bedford, MA), Simon Rositzky (St. Joseph, MO), and Alexander Skutch (Costa Rica). After members were seated, Sara Morris announced that the Society received a generous bequest of $1,000 from the estate of Thomas Foster.

During the last year, the management of the membership and executive director duties for OSNA were transferred from Allen Marketing and Management to the Schneider Group. The database transfer occurred in November, which resulted in late renewal announcements. A third renewal notice was sent to members to

help catch any lapsed memberships. OSNA now has a new Web site, www.osnabirds.org, which is also the site of The Flock online.

Council thanked the Investing Trustees for their excellent work in managing the investments, and directed them to continue managing the Wilson portfolio for total return. Council approved the creation of three new awards. The William and Nancy Klamm Award will be given annually in recognition of significant contributions to the Society, beginning in 2006. Council also created the Nancy Klamm Award for the Best Undergraduate Oral Presentation and the Nancy Klamm Award for the Best Undergraduate Poster Presentation. Council increased the number of Stewart Research Awards from four to six per year. Council agreed to loan the North American Ornithological Conference (NAOC) organizing committee $10,000 for seed money for the conference.

The Council reelected Jim Sedgwick as editor of *The Wilson Bulletin* for volume 118, with sincere gratitude for his work in getting *The Wilson Bulletin* back on its publication schedule. Now that the journal is back on schedule, Council voted for several changes to upgrade and modernize the Society's journal. Council voted to change the name of the journal from *The Wilson Bulletin* to *The Wilson Journal of Ornithology*. Council also approved changes to the cover of the journal, both in color and artwork. The Publications Committee will determine the exact artwork to use and the journal cover. These changes will be implemented in 2006, beginning with the first issue of volume 118.

Council heard updates on the preparations for the NAOC in Veracruz, Mexico next October. The Margaret Morse Nice Plenary lecture will open the NAOC next year.

Martha Vaughan presented the Treasurer's Report and Jim Sedgwick presented the Editor's Report. Leann Blem introduced the students receiving travel awards and Sara Morris presented banquet tickets to the students who were presenting papers at the meeting.

Jerry Jackson presented the report of the Nominating Committee, which included Charles Blem, Danny J. Ingold, Bette Jackson, and Doris Watt. The committee recommended the following slate of candidates: President, Doris J. Watt; First Vice-President, James D. Rising; Second Vice-President, E. Dale Kennedy; Secretary, Sara R. Morris; Treasurer, Melinda M. Clark; and Members of Council (2005–2008), Kathleen G. Beal, Daniel Klem, Jr., and Douglas W. White. President Blem thanked the nominating committee and asked for any nominations from the floor. Hearing none, he accepted a motion to close nominations by Jay Sheppard, seconded by Ted Davis. John Kricher made the motion that the Secretary cast a single ballot for the slate of candidates, and Dick Banks seconded that motion. Secretary Morris cast the ballot, electing the officers and council members.

Dick Banks announced that 242 people had registered for the meeting.

Ernesto Ruelas Inzunza and Juan E. Martinez-Gómez gave a presentation that provided an overview of the plans for the fourth quadrennial North American Ornithological Conference in Veracruz City, Mexico, which is planned for 3–7 October 2006. The American Ornithologists' Union, Association of Field Ornithologists, Cooper Ornithological Society, CIPAMEX, Raptor Research Foundation, Society of Canadian Ornithologists, Waterbird Society, and Wilson Ornithological Society will participate in the conference. The major venues are expected to be the World Trade Center and the Hotel Galeria and the initial projections expect 1,200 participants. They ended by encouraging everyone to attend the NAOC because, "We know how to have a good party."

Jerry Jackson gave a brief presentation on the history of the Association of Field Ornithologists and the Wilson Ornithological Society.

President Blem adjourned the meeting at 14:21 after a motion from John Kricher, which Jay Sheppard seconded.

REPORT OF THE TREASURER

OPERATING BUDGET FOR FISCAL YEAR 2005
Amended and Approved at Annual Meeting, 21 April 2005

	Actual 2004	Budget 2004	Budget 2005
Operating Revenue			
Direct Public Support (Contributions)	99	1,200	0
Memberships	38,552	46,000	46,000
Subscriptions	9,025	17,000	10,000
Page Charges	7,974	12,000	8,000
Royalties	1,086	1,600	1,000
BioOne Electronic Licensing	6,631	6,632	10,055
Sutton Fund—Transfer for Frontispieces	0	0	4,000
Sale of Back Issues & Books (Van Tyne Library)	465	1,000	0
Total Operating Revenue	**63,832**	**85,432**	**79,055**

Operating Expenses			
Research Grants and Awards	6,000	6,000	6,500
Student Travel Grants	4,220	5,000	4,500
Van Tyne Library—Student Salaries/Benefits	0	2,000	3,000
Printing and Mailing Costs–Bulletin (Allen Press)	63,075	70,750	60,000
Editor's Honorarium, Contract, Expenses	55,878	55,595	55,000
OSNA Management Services	19,742	17,000	25,000
OSNA Executive Director	3,982	4,000	0
Storage Costs—Back Issues	1,761	2,000	2,000
Membership Development	0	1,500	0
Support—American Bird Conservancy	0	150	250
Support—Ornithological Council	10,000	9,000	9,000
Support—Ornithological Council Retreat	0	1,000	0
Tax Preparation Fees	525	525	580
Accounting Services	3,368	5,500	5,000
Insurance Expenses	1,166	1,150	1,200
General Expenses—Office, Postage, Copying, Bank Charges	347	1,000	1,000
Travel Expenses—Ornithological Council, OSNA, NABC, Annual Meetings	8,153	2,500	5,000
Annual Meeting 2005	0	0	5,152
Advance for 2006 NAOC Meeting	0	0	10,000
Nice Award Expenses	0	0	5,000
President's Discretionary Fund	0	0	4,000
Van Tyne Library Expenses	1,070	1,000	1,000
Award Costs	801	800	800
Total Operating Expenses	**180,088**	**186,470**	**203,982**
Excess (Deficit)—Operating	**(116,256)**	**(101,038)**	**(124,927)**
Total Investment Income (net of fees)	229,208	65,340	126,718
Excess (Deficit) Including Investments	**112,952**	**(35,698)**	**1,791**
Investment Bequest—Klamm Estate: Howland Capital Management	192,000	0	0
Total Excess (Deficit) Including Klamm Bequest	**304,952**	**(35,698)**	**1,791**

STATEMENT OF ACTIVITIES

FOR THE YEAR ENDING 31 DECEMBER 2004

Change in Unrestricted Fund Balances

Revenues and Support	
Direct Public Support (Contributions)	$ 192,099
Memberships	38,552
Subscriptions	9,025
Page Charges	7,974
Royalties	1,086
BioOne Electronic Licensing	6,631
Sale of Back Issues & Books (Van Tyne Library)	465
Interest Income—Cash Accounts	0
Total Revenues and Support	$ **255,832**

Investment Income		
Realized Gains and Losses	$	26,318
Unrealized Gains and Losses (change in market value)		134,976
Investment Earnings		69,827
Total Investment Income		231,121
Total Revenues, Support, and Investment Income	$	**486,953**
Expenses and Losses		
Program Services		
Research Grants and Awards	$	6,000
Student Travel Grants		4,220
Award Costs		801
Van Tyne Library—Student Salaries/Benefits		0
Van Tyne Library Expenses		1,070
Printing and Mailing Costs—Bulletin (Allen Press)		61,075
Editorial Expenses		55,878
OSNA Management Services		19,742
OSNA Executive Director		3,982
Storage Costs—Back Issues		1,761
Support—Ornithological Council		10,000
Total Program Services	$	164,529
Supporting Services		
Investment Fees	$	14,346
Tax Preparation Fees		3,893
Insurance Expenses		1,166
General Expenses—Office, Postage, Copying, Bank Charges		347
Travel Expenses—Ornithological Council, OSNA, NABC, Annual Meetings		8,153
Total Support Services		27,905
Total Expenses and Losses	$	**192,434**
Total Change in Unrestricted Fund Balance		294,519
Unrestricted Fund Balance, Beginning		2,089,919
Unrestricted Fund Balance, Ending		2,384,438
Change in Restricted Fund Balance (Sutton Fund)		
Investment Income		
Unrealized Gains and Losses	$	9,288
Investment Earnings		3,196
Total Investment Income	$	**12,484**
Expenses and Losses		
Investment Fees	$	50
Transfer for Plate Fee		2,000
Total Expenses and Losses	$	**2,050**
Total Change in Restricted Fund Balance (Sutton Fund)	$	**10,434**
Restricted Fund Balance, Beginning		129,510
Restricted Fund Balance, Ending		139,944
Total Fund Balances	$	**2,524,382**

STATEMENT OF FINANCIAL POSITION

FOR THE YEAR ENDING 31 DECEMBER 2004

Assets		
Current Cash Assets		
Operating Cash Accounts	$	23,010
Cash Equivalents		24,530
Restricted Cash		2,060
Total	$	**49,600**
Investments		
Equities	$	2,036,027
Mutual Funds		26,648
Corporate Bonds		96,889
Fixed Income		315,218
Total	$	**2,474,782**
Total Assets	$	**2,524,382**
Fund Balances		
Unrestricted Fund Balances	$	2,384,438
Restricted Fund Balances		139,944
Total Fund Balances	$	**2,524,382**

Martha Vaughan, *Treasurer (ending 23 April 2005)*
Melinda Clark, *Treasurer (beginning 23 April 2005)*

EDITOR'S REPORT—2004

The Wilson Bulletin Editorial Office received 135 manuscripts during 2004 (vs 130 in 2003, 140 in 2002). All papers received three peer reviews, except in those rare instances when a referee failed to complete and return a review (<5% of cases). Correspondence from authors and referees was handled promptly (within 3 days of receipt). I accepted 28% and rejected 18% of manuscripts received in 2004, with the remainder (54%) having been returned to authors for extensive revision or revision and re-review. Volume 116 consisted of 39 major papers and 21 short communications; each issue had a color frontispiece. The mean time from receipt to publication for manuscripts published in volume 116 was 379 days, comparable with that of *Auk* (473 days) and *Condor* (320 days). The dates of publication for the issues of volume 116 were 6 August, 12 October, 10 December (2004), and 18 February (2005). Except for the original submission of manuscripts, most of the correspondence and document transmittal between the Wilson Bulletin Editorial Office and authors, reviewers, and Allen Press is now electronic.

I am grateful to Clait Braun, Richard Conner, Kathleen Beal, and Karl Miller who served on the Editorial Board and reviewed numerous manuscripts. Kathy Beal offered statistical critiques of several manuscripts and compiled the index. Editorial assistants Beth Dillon and Cynthia Melcher performed essential editorial office operations, including maintenance of the e-mail correspondence tracking system and the author/referee/manuscript database, corresponding with authors and reviewers, copyediting, and consulting with Allen Press, frontispiece artists, and other editors. I thank Allen Press, and especially Karen Ridgway, for guidance and helpful advice on the final stages of the editorial and printing process. The USGS Fort Collins Science Center continues to be instrumental in its support of the editorial office. We welcome suggestions on how to improve the timeliness and quality of *The Wilson Bulletin.*

James A. Sedgwick, *Editor*

The reports of the standing committees are as follows:

REPORT OF THE JOSSELYN VAN TYNE MEMORIAL LIBRARY COMMITTEE

I am very pleased to submit this report of the activities at the Josselyn Van Tyne Memorial Library. The following happened over the past calendar year with respect to the library:

Loans:

Loans of library materials to members included 44 transactions to 26 members. These loans included 4 books and 255 photocopied articles.

Acquisitions:

Exchanges: We received 136 publications by exchange from 113 organizations or individuals.

Gifts: We received 21 publications from 18 organizations.

Subscriptions: We also received 25 publications from 21 subscriptions. We spent $768.30 on subscriptions in 2004.

Donations: Members, friends, and libraries donated 660 items. These donations included 78 books, 1 CD, 426 journal issues, and 155 reprints and reports.

Donors: The six members, friends, and libraries donating materials include E. H. Burtt, C. Kersting, M. Lowther, M. Sogge, A. E. Staebler, and B. Weaver.

Purchases: New items purchased for $200 included 11 books and 4 CDs of bird songs.

Dispersals:

Gifts to other institutions: A total of 33 journal issues were donated to Manuel Marin, Chile, and 21 journal issues to the Bonn Museum, Germany.

Back issues: We sent out 110 back issues of *The Wilson Bulletin* for only the cost of postage.

Duplicates: We sold 13 duplicate books and 61 duplicate journal issues for $607: $348 in cash, plus $259 in credit from Buteo Books.

Events:

Downsizing storage: We moved part of our storage area for back issues of *The Wilson Bulletin* last summer. We anticipate moving the issues stored in the museum this summer and will probably reduce the number held.

We are making a concerted effort to fill in gaps in our journal holdings in anticipation of the Google Digitization Project. Every catalogued item in the University of Michigan Library will be scanned. All noncopyrighted items will be available to anyone online. Copyrighted items will be available to persons at the University, and through the WOS library, to WOS members. This will be a great project and should make ornithological literature available to researchers around the world.

Accessibility on the Web:

Web site: The Web site (http://www.ummz.lsa.umich.edu/birds/wos.html) continues to provide access to the library. Journals currently received are listed on the site as well as how to access the University of Michigan's online catalogue, which interested people can use to check holdings.

Books for sale: We have our duplicate books for sale listed on the Web site.

Journals for trade: Also listed on the Web are the journals we have available for sale or trade.

Thank Yous:

Many thanks to our secretary Janet Bell for keeping the library loan records and to our work-study student Erin Wiley for copying articles, keeping the library running, and mailing out back issues of Wilson Bulletin.

Janet Hinshaw, *Librarian*

REPORT OF THE UNDERGRADUATE OUTREACH COMMITTEE

This WOS Committee continues to maintain the Guide to Graduate Programs in Ornithology on the WOS Web site. I receive occasional e-mails from faculty at listed institutions requesting updates to their entries. From time to time, I receive e-mails from users who indicate the guide is a valuable resource for students contemplating graduate study in ornithology.

Herb Wilson, *Chair*

The Committee on the Scientific Program, chaired by James D. Rising, presented the following program of paper and poster sessions.

PAPER SESSIONS

David A. Aborn, University of Tennessee at Chattanooga, Chattanooga, TN, "The use of urban riparian forests by migratory landbirds."

Paul J. Baicich, Swarovski Birding and National Wildlife Refuge Association, Oxon Hill, MD, "A rice-and-bird synthesis: is it our 'next shade-grown coffee?'"

Susan L. Balenger, L. Scott Johnson, and Emilene Ostlind, Towson University, Towson, MD, "Does male UV-blue color indicate parental effort in Mountain Bluebirds?"

Jonathan Bart, USGS Forest and Rangeland Ecosystem Science Center, Snake River Field Station, Boise, ID, "Sample size goals for monitoring North American nongame birds."

Robert C. Beason, Ohio Field Station, USDA Wildlife Services, National Wildlife Research Center, Sandusky, OH, "Avian vision and collision avoidance."

Colleen E. Bell, Sara R. Morris, Canisius College, Buffalo, NY; and Arthur R. Clark, Buffalo Museum of Science, Buffalo, NY, "A crash course in communications tower mortality: birds dying to become a statistic in western New York."

Steven R. Beissinger, Mark I. Cook, University of California, Berkeley, CA; Gary A. Toranzos, University of Puerto Rico, San Juan, PR; and Wayne J. Arendt, International Institute of Tropical Forestry, Luquillo PR, "Does incubation reduce microbial growth on eggshells and infection? . . . Why not!"

Peter V. Bradley, Nevada Department of Wildlife, Elko, NV; and Kenneth W. Voget, Ruby Valley, NV, "Winter night roost selection by Black and Gray-crowned rosy-finches in Northeast Nevada."

Jeffery J. Buler, Frank R. Moore, and Robert H. Diehl, The University of Southern Mississippi, Hattiesburg, MS, "Landscape-scale habitat use by landbirds during migratory stopover near an ecological barrier as revealed by weather radar and ground surveys."

Carolee Caffrey, Audubon Science, Ivyland, PA; Shauna S. C. Smith and Tiffany J. Weston, Oklahoma State University, Stillwater, OK; "West Nile Virus:

pernicious effects on an American Crow population."

Paul Callo, Mary Baldwin College, Staunton, VA, "Survivorship and territory fidelity of Red-eyed Vireos (*Vireo olivaceus*)."

B. T. Collins, Environment Canada, Canadian Wildlife Service, Ottawa, ON, Canada, "Optimizing sampling effort on remote routes."

Richard N. Conner, Clifford E. Shackelford, Richard R. Schaefer, and Daniel Saenz, USDA Forest Service, Southern Research Station, Nacogdoches, TX, "Fire suppression and Bachman's Sparrows in pine forests of eastern Texas."

Kristen M. Covino, Joanna M. Panasiewicz, Sara R. Morris, and H. David Sheets, Canisius College, Buffalo, NY, "Getting to the point: rectrix shape morphometrics in age discrimination of Ovenbirds."

C. M. Downes, Environment Canada, Canadian Wildlife Service, Ottawa, ON, Canada, "The BBS in Canada."

H. I. Ellis, University of San Diego, San Diego, CA; and J. R. Jehl, Jr., Smithsonian Institution, Washington, DC, "Fat proportion of migrating and staging Eared Grebes does not differ."

William R. Evans, Old Bird, Inc., Ithaca, NY, "Broadfront migration + low cloud ceiling + hilly terrain = migration channeling."

Joelle L. Gehring, Central Michigan University, Mount Pleasant, MI; Paul Kerlinger, Curry & Kerlinger, LLC, Cape May Point, NJ; and Albert M. Manville, II, USFWS, Division of Migratory Bird Management, Arlington, VA, "Avian collisions with communication towers: a comparison of tower support systems and tower height categories."

Michael F. Gaydos and George L. Farnsworth, Xavier University, Cincinnati, OH, "Factors affecting parental nest attendance in Northern Mockingbirds (*Mimus polyglottos*)."

Kirk M. Goolsby, Northern Virginia Community College, Annandale, VA, "Uneven energy savings in Canada Geese during formation flight: do birds exploit their position within the flock?"

Russell Greenberg, Gregory Gough, and Daniel Boritt, Smithsonian Migratory Bird Center, National Zoological Park, Washington, DC, "Neophobia in Mallards and other wild ducks."

George S. Hamaoui, Jr., and Edward H. Burtt, Jr., Ohio Wesleyan University, Delaware, OH, "Analysis of feather-degradation by *Bacillus licheniformis* from the plumage of Botteri's Sparrows living in wet and dry habitats in Arizona."

Kin-Lan Han, University of Maryland, College Park, MD; and Michael J. Braun, National Museum of Natural History, Smithsonian Institution, Suitland, MD, "Molecular phylogeny of Caprimulgidae (nightjars and nighthawks)."

Gary H. Heinz and David J. Hoffman, USGS Patuxent Wildlife Research Center, Beltsville, MD, "The use of wild bird eggs to measure the sensitivity of avian embryos to methylmercury."

Christopher M. Hofmann, Thomas W. Cronin, Kevin E. Omland, University of Maryland–Baltimore County, Baltimore, MD; and Kevin J. McGraw, Arizona State University, Tempe, AZ, "Pigment codeposition and the masking of carotenoids in Orchard and Fuertes's orioles."

Rebecca L. Holberton, Jason C. Johnston, University of Maine, Orono, ME; and Peter P. Marra, Smithsonian Environmental Research Center, Edgewater, MD, "Habitats and hormones: understanding the physiological basis of life history stages in migratory birds."

C. Stuart Houston and Brenton Terry, Saskatoon, SK, Canada, "Turkey Vulture nestling travel, Saskatchewan to Costa Rica."

Austin L. Hughes and Helen Piontkivska, University of South Carolina, Columbia, SC, "DNA repeat arrays in chicken and human genomes and the adaptive evolution of avian genome size."

Cathie A. Hutcheson, Makanda IL; Leonard I. Wassenaar, National Water Research Institute, Environment Canada, Saskatoon, SK, Canada; and Lewellyn Hendrix, Southern Illinois University, Carbondale, IL, "Preliminary examination of the use of hydrogen isotope ratios in estimating the natal latitudes of hatch year Ruby-throated Hummingbirds."

Jerome A. Jackson, Florida Gulf Coast University, Ft. Myers, FL, "Art in science: the contributions of George Miksch Sutton."

Helen James, National Museum of Natural History, Smithsonian Institution, Washington, DC, "The biogeography and paleoecology of Koa-finches, extinct legume-eaters of the Hawaiian Islands."

L. Scott Johnson, Emilene Ostlind, and Susan L. Balenger, Towson University, Towson, MD, "Male parental effort at low and high elevations in a Wyoming population of Mountain Bluebirds."

Todd Katzner, Department of Conservation and Field Research, National Aviary, Allegheny Commons West, Pittsburgh, PA; E. J. Milner-Gulland, Imperial College London, Ascot, Berkshire, United Kingdom; and Evgeny A. Bragin, Naurzum National Nature Reserve, Kustanay Oblast, Naurzumski Raijon, Dokuchaevka, Kazakhstan; "Using modeling to improve monitoring of birds: are we collecting the right data?"

Paul Kerlinger, Curry & Kerlinger LLC, Cape May Point, NJ, "Appalachian ridge following by night migrating birds? A test of the hypothesis using marine surveillance radar in three states."

Daniel Klem, Jr., Muhlenberg College, Allentown, PA, "A humorous look at a deadly conservation issue: birds and glass."

Beatrice Kondo and Kevin E. Omland, University of Maryland–Baltimore County, Baltimore, MD, "Using New World orioles to address an old question: evolution of migration."

Lionel Leston and Amanda D. Rodewald, The Ohio State University, Columbus, OH, "Are urban forests ecological traps for birds?"

James E. Lyons and Jaime A. Collazo, USGS Patuxent Wildlife Research Center and North Carolina Co-

operative Research Unit, North Carolina State University, Raleigh, NC, "Plasma lipid metabolites and refueling performance at four stopovers along the migratory route of Semipalmated Sandpipers."

Juan E. Martínez-Gómez, University of Missouri Saint Louis, Columbia, MO, and Island Endemics Foundation, Mexico, "Island conservation of Mexican insular avifaunas."

Steven M. Matsuoka, Jim A. Johnson, U.S. Fish and Wildlife Service, Migratory Bird Management, Anchorage, AK; Daniel R. Ruthrauff, Teresa L. Tibbitts, and Robert E. Gill, Jr., U.S. Geological Survey, Alaska Science Center, Anchorage, AK, "Estimating the global abundance of McKay's Buntings on St. Matthew Island, Alaska."

Jennifer McNicoll, Martha Desmond, and Leigh Murray, New Mexico State University, Las Cruces, NM, "Burrowing Owl nest site selection on the Janos-Nuevo Casas Grandes, Mexico prairie dog complex."

Alex Mills, University of Toronto, Toronto, ON, Canada, "Limits of ecomorphological analysis in explaining habitat specificity."

Douglas Mock and P. L. Schwagmeyer, University of Oklahoma, Norman, OK, "Nestling begging and the problem of signal reliability."

Jennifer L. Newbrey and Wendy L. Reed, North Dakota State University, Fargo, ND, "Effects of nest contents and minimum daily temperature on female Yellow-headed Blackbird nest attentiveness."

Timothy O'Connell and Martin Piorkowski, Oklahoma State University, Stillwater, OK, "Do wind turbines influence the density of breeding songbirds?"

Karan J. Odom, Ohio Wesleyan University, Delaware, OH, "Differences between vocalizations of wild-reared and human-reared birds of prey as an indication of learning within call development of owls and eagles."

Kevin E. Omland, University of Maryland–Baltimore County, Baltimore, MD, "Elaborate female coloration in tropical orioles (Icterus): phylogenetic and behavioral studies."

Brent Ortego, Texas Parks and Wildlife Department, Victoria, TX, "Practical BBS sampling considerations when using volunteers."

Harry W. Power, Rutgers University, New Brunswick, NJ; and Michael P. Lombardo, Grand Valley State University, Allendale, MI, "A graphical analysis of the costs of female copulatory activity in birds."

John H. Rappole, Smithsonian Conservation and Research Center, Front Royal, VA, "Gene Morton's contributions to migratory bird ecology."

Matthew W. Reudink and Robert L. Curry, Villanova University, Villanova, PA, "Extra-pair paternity and mate choice in a chickadee hybrid zone."

Terrell D. Rich, U.S. Fish and Wildlife Service and Partners in Flight, Boise, ID, "Recommendations for rangewide population trend monitoring of North American landbirds."

Chandler S. Robbins, USGS Patuxent Wildlife Research Center, Laurel, MD, "Reflections on 40 years of Breeding Bird Survey."

J. A. Royle and J. R. Sauer, USGS Patuxent Wildlife Research Center, Laurel, MD, "Spatial coverage and inference: trade-offs between survey design and model assumptions in the North American Breeding Bird Survey."

Ernesto Ruelas Inzunza, University of Missouri, Columbia, MO; Stephen W. Hoffman, Predator Conservation Alliance, Bozeman, MT; and Laurie J. Goodrich, Hawk Mountain Sanctuary Association, Kempton, PA, "Behavior of thermal soaring migrants in Veracruz, Mexico."

John B. Sabine, Sara H. Schweitzer, University of Georgia, Athens, GA; and J. Michael Meyers, USGS Patuxent Wildlife Research Center, University of Georgia, Athens, GA, "Nest fate and productivity of beach nesting American Oystercatchers, Cumberland Island National Seashore, Georgia."

John R. Sauer, William A. Link, James D. Nichols, and J. Andrew Royle, USGS Patuxent Wildlife Research Center, Laurel, MD, "The North American Breeding Bird Survey: credible, or not?"

Richard R. Schaefer, D. Craig Rudolph, and Richard N. Conner, USDA Forest Service, Southern Research Station, Nacogdoches, TX, "Preliminary results from ongoing studies of nesting habitat, nestling provisioning, and foraging of the southeastern American Kestrel in the west Gulf Coastal Plain."

Ralph W. Schreiber, Elizabeth A. Schreiber, National Museum of Natural History, Smithsonian Institution, Washington, DC; Ashley M. Peele, and Edward H. Burtt, Jr., Ohio Wesleyan University, Delaware, OH; "Feather damage in an albino Greater Frigatebird."

Jay M. Sheppard, Laurel, MD; Kenneth P. Able, McArthur, CA; and Robin McCleery, Edward Grey Institute for Field Ornithology, South Parks Rd., Oxford, UK, "O.W.L. update."

John A. Smallwood, Valerie Dudajek, Montclair State University, Montclair, NJ; Sivajini Gilchrist, Newark Museum, Newark, NJ; and Mary Anne Smallwood, Ironia School, Randolph, NJ, "Vocal development in American Kestrel (*Falco sparverius*) chicks: acoustical characteristics and ontogenetic patterns."

Joseph Smith, Peter P. Marra, Smithsonian Environmental Research Center, Edgewater, MD; and Leonard R. Reitsma, Plymouth State University, Plymouth, NH, "Roosting behavior of the Northern Waterthrush during the non-breeding season."

Jennifer L. Smolinski and George L. Farnsworth, Xavier University, Cincinnati, OH, "Numerical competence in wild Northern Mockingbirds (*Mimus polyglottos*)."

Paul R. Spitzer, Cooperative Oxford Lab, Oxford, MD, "Ospreys a la Faaborg."

Rachel Sturge, University of Toronto, Toronto, ON, Canada; and Robert Rockwell, American Museum of Natural History, New York City, NY, "The effects of habitat loss on the Savannah Sparrows (*Pas-*

serculus sandwichensis) of La Perouse Bay, Manitoba."

Rebecca Suomala, Kimberly Babbitt, University of New Hampshire, Durham, NH; and Sara Morris, Canisius College, Buffalo, NY, "Comparison of species distribution and habitat use during stopover on two islands in the Gulf of Maine."

Ethan J. Temeles, Robin S. Goldman, and Alexei U. Kudla, Amherst College, Amherst, MA, "Foraging and territorial economics of sexually-dimorphic Purple-throated Caribs, *Eulampis jugularis*, at three heliconias."

Monica Tomosy, USGS Patuxent Wildlife Research Center, Bird Banding Laboratory, Laurel, MD, "North American bird banding program review."

Jennifer M. Urbanski, Jerry Dudziak, Sara R. Morris, and H. David Sheets, Canisius College, Buffalo, NY, "Is shorter better? Does truncation increase the utility of open population models in stopover estimation?"

Kate E. Williamson, University of Northern Colorado, Greeley, CO; and Edward H. Burtt, Jr., Ohio Wesleyan University, Delaware, OH, "The microbial ecology in the plumage of Neotropical migrants."

Michael D. Wilson and Bryan D. Watts, College of William and Mary, Williamsburg, VA, "The influence of landscape configuration on the distribution and abundance of the Whip-poor-will (*Caprimulgus vociferus*)."

Michael D. Wilson and Bryan D. Watts, College of William and Mary, Williamsburg, VA, "The influence of lunar conditions on the detection rate of the Whip-poor-will (*Caprimulgus vociferus*): implications for large-scale monitoring programs."

Petra Bohall Wood, USGS West Virginia Cooperative Fish and Wildlife Research Unit, Division of Forestry, West Virginia University, Morgantown, WV, "Cerulean Warblers and canopy heterogeneity in West Virginia."

Bonnie E. Woolfenden, Bridget J. M. Stutchbury, York University, Toronto, ON, Canada; and Eugene S. Morton, National Zoological Park, Smithsonian Institution, Washington, DC, "Social isolation leads to a reduction in EP mating: is this a hidden cost of forest fragmentation?"

Timothy F. Wright and Christine R. Dahlin, New Mexico State University, Las Cruces, NM, "The signal design of pair duets: does structure relate to function?"

Tamaki Yuri, Michael J. Braun, National Museum of Natural History, Smithsonian Institution, Suitland, MD; Robert W. Jernigan, American University, Washington, DC; Robb T. Brumfield, Museum of Natural Science, Louisiana State University, Baton Rouge, LA; and Nirmal K. Bhagabati, The Institute for Genomic Research, Rockville, MD, "Different genetic markers reveal different levels of introgression in a *Manacus* hybrid zone."

POSTERS

Jennifer Baldy, Esra Ozdenerol, Lensyl Urbano, Hsiang-te Kung, University of Memphis, Memphis, TN; and Paul Hamel, USDA Forest Service, Center for Bottomland Hardwood Research, Stoneville, MS, "Breeding climate preferences of the Cerulean Warbler determined by spatial filtering of Breeding Bird Survey data."

Jacqueline Bennett and Gary Ritchison, Eastern Kentucky University, Richmond, KY, "Nest defense behavior of male and female Eastern Bluebirds."

Andrew J. Bernick, City University of New York-Graduate Center/College of Staten Island, Staten Island, NY, "Gull harassment and predation on adult Black-crowned Night-Herons in the New York City area."

M. J. Braun, C. J. Huddleston, K. L. Han, T. Yuri, J. Hunt, M. Krosby, Smithsonian Institution, National Museum of Natural History, Washington, DC; S. J. Hackett, J. Harshman, R. Bowie, S. Reddy, M. Burns, E. Sackett, R. Flynn, Field Museum of Natural History, Chicago, IL; E. Braun, R. Kimball, D. Steadman, J. Chojnowski, University of Florida, Gainesville, FL; W. Moore and K. Miglia, Wayne State University, Detroit, MI; F. Sheldon, B. Marks, C. Witt, Louisiana State University, Baton Rouge, LA; L. Christidis, J. Norman, Victoria Museum, Melbourne, Victoria, Australia; R. Page, University of Glasgow, Glascow, Scotland, United Kingdom; R. T. Chesser, CSIRO, Victoria, Australia; and D. Swofford, Florida State University. Tallahassee, FL "Early bird: a collaborative project to resolve the deep nodes of avian phylogeny."

W. P. Brown, P. Eggermont, V. LaRiccia, and R. R. Roth, University of Delaware, Newark, DE, "Can Wood Thrush growth be modeled using a non-parametric spline estimator?"

Emily A. Caruana, Sarah M. Musilli, Michael S. Hurban, Canisius College, Buffalo, NY; Scott Weidensaul, Ned Smith Center for Nature and Art, Millersburg, PA; H. David Sheets, and Sara R. Morris, Canisius College, Buffalo, NY; "Age-related differences in the fall migration of Northern Saw-whet Owls."

Kimberley Corwin, NYS Department of Environmental Conservation, Albany NY; and Kevin J. McGowan, Cornell Laboratory of Ornithology, Ithaca, NY, "New York's second Breeding Bird Atlas."

Thomas Dietsch, Russell Greenberg, Peter Bichier, Smithsonian Migratory Bird Center, National Zoological Park, Washington, DC; Ivette Perfecto, University of Michigan, Ann Arbor, MI; and Suzanne Langridge, University of California, Santa Cruz, CA, "Foraging ecology of migratory and resident birds in coffee agroecosystems of Chiapas, Mexico."

Matthew S. Dietz, University of Michigan, Ann Arbor, MI, "The effects of human and environmental stressors on White-crowned Sparrow corticosterone levels and reproductive success."

Walter G. Ellison, Maryland Ornithological Society, Chestertown, MD; and Mark Wimer, USGS Patuxent Wildlife Research Center, Laurel, MD, "Possible distributional changes detected by a second Breed-

ing Bird Atlas in Maryland and the District of Columbia."

Kayde Gilbert, Janet Gorrell, and Gary Ritchison, Eastern Kentucky University, Richmond, KY, "Effects of West Nile Virus infection on the nest defense behavior of Eastern Bluebirds (*Sialia sialis*)."

Beth A. Hahn, University of Michigan, Ann Arbor, MI, "Using song playbacks to influence breeding habitat selection by American Redstarts."

Marcy Heacker, Smithsonian Institution, National Museum of Natural History, Washington, DC; and Joe Witt, U.S. Fish and Wildlife Service, Potomac River National Wildlife Refuge Complex, Woodbridge, VA, "Osprey activity on the Potomac River."

Christopher M. Heckscher, University of Delaware, Newark, DE, "The Veery call repertoire: calls used in short- and long-distance communication in a migratory oscine passerine."

Elizabeth Humphries, Jeffrey L. Peters, Kevin E. Omland, University of Maryland–Baltimore County, Baltimore, MD; Jón E. Jónsson, and Alan D. Afton, USGS Louisiana Wildlife and Fisheries Cooperative Research Unit and School for Renewable Resources, Louisiana State University, Baton Rouge, LA; "Phylogenetics and phylogeography of the white goose complex, genus *Chen*: is Mother Goose spinning a new tale?"

Michael S. Hurban, Emily A. Caruana, Sarah M. Musilli, Canisius College, Buffalo, NY; Scott Weidensaul, Ned Smith Center for Nature and Art, Millersburg, PA; H. David Sheets, and Sara R. Morris, Canisius College, Buffalo, NY; "Stopover rates and durations of migrant Northern Saw-whet Owls in southern Pennsylvania."

L. Scott Johnson, Brian S. Masters, Larry E. Wimmers, Bonnie G. Johnson, Robyn Milkie, Rachel Molinaro, and Brendan Gallagher, Towson University, Towson, MD, "Sex manipulation within broods of House Wrens? A repeat study."

Andrea Kraljevic, University of Michigan, Ann Arbor, MI, "The effects of ski slope fragmentation on avian diversity and behavior."

Patrick J. Kramer and James R. Hill, III, Purple Martin Conservation Association, Edinboro University of Pennsylvania, Edinboro, PA, "Locating and protecting Purple Martin roosts."

Sara A. Kuebbing, R. R. Roth, and J. L. Bowman, University of Delaware, Newark, DE, "Possible sexual dimorphism in breast spotting in the Wood Thrush and its potential for sexing."

Brook Lauro, St. John's University, Jamaica, NY, "Habitat enhancement to improve waterbird productivity: what is the best method?"

Jason Law and Emily Silverman, University of Michigan, Ann Arbor, MI, "Evaluating home range estimators for passerines."

Spring Ligi and Kevin Omland, University of Maryland–Baltimore County, Baltimore, MD, "Possible double brooding in temperate-breeding orioles: breeding behavior of Baltimore Orioles in Maryland."

Stephanie E. Little, Katherine E. Eggleston, Kristin Hnilicka, Bernard Lohr, and Douglas E. Gill, University of Maryland, College Park, MD, "Trill rate as a performance measure in Grasshopper Sparrow song."

Anne C. Logie, University of Maryland–Baltimore County, Baltimore, MD; Isabelle A. Bisson, Peter P. Marra, Smithsonian Environmental Research Center, Edgewater, MD; Patrick M. Gillevet, George Mason University, Manassas, VA; and Edward H. Burtt, Jr., Ohio Wesleyan University, Delaware, OH, "A preliminary analysis of feather microbial communities on New World passerines."

Dana E. Long, R. R. Roth, and W. P. Brown, University of Delaware, Newark, DE, "Characteristics of repeat-pairs of Wood Thrushes: size, age, nesting characteristics and success."

Sarah Mabey, North Carolina State University, Raleigh, NC; Bryan Watts, Bart Paxton, Fletcher Smith, College of William and Mary, Williamsburg, VA; Barry Truitt, The Nature Conservancy, Virginia Coast Reserve Program, Nassawadox, VA; and Deanna Dawson, USGS Patuxent Wildlife Research Center, Laurel, MD, "Identifying stopover sites for migrating passerine birds in the lower Chesapeake Bay region."

Kathryn E. Mattern, Canisius College, Buffalo, NY; Rebecca W. Suomala, University of New Hampshire, Durham, NH; Melissa S. Mustillo, Peggy E. Buckley, Sara R. Morris, and H. David Sheets, Canisius College, Buffalo, NY; "Location, location, location: comparison of stopover at two sites."

Sarah M. Musilli, Michael S. Hurban, Emily A. Caruana, Canisius College, Buffalo, NY; Scott Weidensaul, Ned Smith Center for Nature and Art, Millersburg, PA; H. David Sheets, and Sara R. Morris, Canisius College, Buffalo, NY; "Sex-related differences in the migration of Northern Saw-whet Owls."

Melissa S. Mustillo, Elizabeth H. Lewis, Kathryn E. Mattern, Sara R. Morris, and H. David Sheets, Canisius College, Buffalo, NY, "Timing is everything: seasonal comparison of migratory stopover."

Emilene Ostlind, L. Scott Johnson, and Susan L. Balenger, Towson University, Towson, MD, "Egg and clutch size variation along an elevational gradient in Mountain Bluebirds."

Myra Shulman, Julie Ellis, Holly Jessop, Virginia Seng, and Katie Mach, Cornell University, Ithaca, NY, "Catastrophic effects from raccoon presence in gull breeding colonies."

Jeffrey A. Spendelow, USGS Patuxent Wildlife Research Center (PWRC), Laurel, MD; David A. Shealer, Loras College, Dubuque, IA; J. S. Hatfield, J. D. Nichols, PWRC; and I. C. T. Nisbet, I. C. T. Nisbet & Co., North Falmouth, MA, "Sex-specific survival rates of adult Roseate Terns: are males paying a higher reproductive cost than females?"

Ian E. Tracy, Chris Hofmann, and Kevin E. Omland, University of Maryland–Baltimore County, Baltimore, MD, "Defining species limits through color: analysis of the Orchard Oriole complex."

Ursula Valdez, University of Washington, Seattle, WA, "Using aural surveys and radio-telemetry to determine the abundance and habitat use of forest-falcons in lowland Amazonian rainforest of southeast Peru."

Lisa Vormwald, Roland Roth, Isis Johnson, and J. L. Bowman, University of Delaware, Newark, DE, "Inter-year distance between nest sites of Wood Thrush with respect to age, sex, previous year's success and mate's age."

Doris J. Watt, Danelle Duffy, Leslie Kleczek, and Shannon Meyer, Saint Mary's College, Notre Dame, IN, "Comparisons of stress in House Finches using heterophil to lymphocyte ratios."

Douglas W. White and E. Dale Kennedy, Biology Department, Albion College, Albion, MI, "Relation of season, clutch size, and egg order to hatching failure in House Wrens."

Mark Wimer, Bruce Peterjohn, Anna Ott, and Naoko Griffin, USGS Patuxent Wildlife Research Center, Laurel, MD, "North American Breeding Bird Atlas viewer."

Beth A. Wisotzkey and Roland Roth, University of Delaware, Newark, DE, "Survival of Brown-headed Cowbird and Wood Thrush eggs and young in Wood Thrush nests."

Lindsay Zemba and Robert Curry, Villanova University, Villanova, PA, "Male dominance rank in an expanding hybrid zone between Black-capped Chickadees (*Poecile atricapillus*) and Carolina Chickadees (*P. carolinensis*) in southeastern Pennsylvania."

ATTENDANCE

ALASKA: *Anchorage*, Steve Matsuoka.

ARIZONA: *Phoenix*, Troy Corman; *Tucson*, Clait E. Braun.

ARKANSAS: *Fayetteville*, Douglas James.

CALIFORNIA: *Berkeley*, Steve Beissinger; *San Diego,* Hugh Ellis.

COLORADO: *Fort Collins,* Lori Nielsen, James A. Sedgwick; *Greeley*, Kate Williamson.

DELAWARE: *Newark*, Bill Brown, Dana Long, Roland Roth, Lisa Vormwald, Beth Wisotzkey; *Smyrna*, Christopher Heckscher; *Wilmington*, Jean Woods.

FLORIDA: *Fort Myers,* Jerome A. Jackson.

GEORGIA: *Athens*, John Sabine; *Macon*, Todd Schneider; *Savannah*, Steven J. Wagner.

IDAHO: *Boise*, Jon Bart, Terry Rich, Rex Sallabanks.

ILLINOIS: *Makanta*, Cathie Hutcheson; *Springfield*, Veron Kleen.

INDIANA: *Indianapolis*, Alicia F. Craig; *Notre Dame,* Doris Watt; *South Bend,* Melinda Clark.

IOWA: *Ames,* Bonnie Bowen.

KENTUCKY: *Berea*, Jacqueline Bennett; *Frankfort*, Brainard Palmer-Ball, Jr.; *Richmond*, Kayde Gilbert, Gary Ritchison.

MAINE: *Orono*, Rebecca Holberton.

MARYLAND: *Annapolis*, Joseph R. Jehl, Jr.; *Arbutus*, Stephanie Little; *Baltimore*, Chris Hofmann, Elizabeth Humphries, Beatrice Kondo, Spring Ligi, Anne Logie, Kevin Omland, Bryan Rosensteel, Ian Tracy; *Beltsville*, Evelyn Adkins; *Chestertown*, Walter G. Ellison; *Chevy Chase,* Ellen Paul; *Clarksburg*, Jerry Persall; *College Park,* Bernard Lohr; *Edgewater*, Pete Marra, Joseph Smith; *Fort Washington,* Paul J. Baicich; *Greenbelt*, James A. Smith; *Largo*, Janet McMillen; *Laurel*, Deanna Dawson, Naoko Griffin, Mary Gustafson, Judd A. Howell, Marshall Howe, Kathy Klimkiewicz, James Lyons, Keith Pardieck, Bruce G. Peterjohn, Eleanor C. Robbins, Andy Royle, Jay Sheppard, Jeff Spendelow, Monica Tomosy, Mark Wimer, David Ziolkowski; *Silver Spring,* Greg Butcher, Adele Conover, Rob Hilton, Lisa Shannon; *Suitland*, Kirsten Braun, Michael Braun, Kin-Lan Han, Chris Huddleston, Tamaki Yuri; *Takoma Park,* Peter Blank; *Towson*, Susan L. Balenger, L. Scott Johnson; *Trappe*, Paul Spitzer.

MASSACHUSETTS: *Amherst*, Donald Kroodsma, Ethan J. Temeles; *Brookline*, Holly Jessop; *Chilmark*, Allan R. Keith; *East Falmouth,* William E. Davis, Jr.; *Hadley*, Randy Dettmers; *Marblehead*, Ann Bouchard; *Marshfield*, Andrea Jones; *Mattapoisett*, Elise Mock, George Mock; *Natick*, Elissa Landre; *Pocasset*, John Kricher, Martha Vaughan.

MICHIGAN: *Albion*, Dale Kennedy, Doug White; *Ann Arbor,* Matthew Dietz, Beth Hahn, Andrea Kraljevic, Jason Law; *Chelsea*, Janet Hinshaw; *Farwell*, Joelle Gehring; *Kalamazoo*, Ray Adams.

MINNESOTA: *Fort Snelling,* Tom Will.

MISSISSIPPI: *Hattiesburg*, Jeffrey Buler; *Stoneville*, Paul B. Hamel.

MISSOURI: *Columbia*, Ernesto Ruelas Inzunza; *St. Louis,* Juan E. Martínez Gómez.

NEBRASKA: *Hastings*, Diane Beachly.

NEVADA: *Elko,* Pete Bradley; *Las Vegas,* Cris Tomlinson.

NEW HAMPSHIRE: *Center Harbor,* John P. Merrill; *Concord*, Pamela Hunt; *Epsom*, Rebecca Suomala.

NEW JERSEY: *Cape May Point,* Paul Kerlinger; *North Plainfield,* Harry Power; *Randolph*, John A. Smallwood, Mary Anne Smallwood, Nathan Smallwood; *Somerset*, Bertram G. Murray, Jr.

NEW MEXICO: *Albuquerque*, John Serles; *Las Cruces,* Jennifer McNicoll, Timothy F. Wright.

NEW YORK: *Albany*, Kimberley Corwin; *Buffalo*, Colleen E. Bell, Peggy Buckley, Emily Caruana, Arthur R. Clark, Kristen Covino, Jerry A. Dudziak, Michael Hurban, Elizabeth Lewis, Katie Mattern, Sarah Musilli, Melissa Mustillo, Joanna Panasiewicz, H. David Sheets, Jennifer M. Urbanski; *Grand Island,* Elizabeth Morris, Sara Morris; *Ithaca*, William Evans; *Staten Island,* Andrew Bernick; *Utica*, Judy McIntyre, Pat McIntyre.

NORTH CAROLINA: *Raleigh*, Becky Browning.

NORTH DAKOTA: *Fargo*, Jennifer Newbrey, Michael Newbrey; *Sawyer*, Ron Martin.

OHIO: *Cincinnati*, George Farnsworth, Michael Gaydos, Jennifer Smolinski, Sandra L. L. Gaunt, Lionel Leston; *Delaware*, Edward H. Burtt, Jr., George S. Hamaoui, Jr., Chuck Jagger, Sarah A. Manor, Karan

Odom, Ashley Peele, Vinod Saranathan; *Sandusky*, Bob Beason.

OKLAHOMA: *Norman*, Douglas W. Mock; *Stillwater*, Tim O'Connell; *Tulsa*, Charles R. Brown, Mary Bomberger Brown.

PENNSYLVANIA: *Allentown*, Daniel Klem, Jr.; *Cambridge Springs,* Eugene S. Morton; *Conneautville*, Joan Galli; *Edinboro*, James R. Hill, III, Patrick Kramer, John Tautin; *Ivyland*, Carolee Caffrey; *Montgomery*, Dana Brauning; *New Freedom,* Bruce G. Fortman; *Orangeville*, Douglas A. Gross; *Orwigsburg*, Rebekah Augustine, Keith L. Bildstein, Andres de la Cruz Munoz, Yelena Danilova, Gail Hall, Yedi Juarez Lopez, Sergio Seipke; *Palmyra*, Lindsay Zemba; *Philadelphia*, Wendy Lenhart; *Pittsburg*, Todd Katzner; *Scranton*, Michael Carey; *Villanova*, Bob Curry.

RHODE ISLAND: *Narragansett*, Suzanne Lussier.

SOUTH CAROLINA: *Columbia*, Austin Hughes.

TENNESSEE: *Chattanooga*, David Aborn.

TEXAS: *Lake Jackson,* Cecilia M. Riley; *Nacogdoches*, Richard N. Conner, Richard B. Schaefer; *Victoria*, Brent Ortego.

WASHINGTON, DC: Claudia Angle, Tom Bancroft, Roger Clapp, Thomas Dietsch, Robert Fleischer, Mercedes S. Foster, Russell Greenberg, Helen James, Chris Milensky.

VERMONT: *Northfield*, William Barnard.

VIRGINIA: *Alexandria*, Richard C. Banks, Betty Anne Schreiber; *Annandale*, Walter Bulmer; *Fairfax*, Marcy Heacker; *Front Royal,* John Rappole; *Lynchburg*, Gene Sattler; *Portsmouth*, Elisa Enders; *Richmond*, Charles R. Blem, Leann Blem, Sergio Harding, Mike Wilson; *Shipman*, Allen Hale; *Staunton*, Paul A. Callo; *Warrenton*, Kirk M. Goolsby.

WASHINGTON: *Bainbridge Island,* Lee Robinson; *Seattle*, Ursula Valdez.

WEST VIRGINIA: *Bethany*, Albert R. Buckelew, Susan Buckelew; *Millstone*, Thomas R. Fox; *Montgomery*, Deborah Beutler; *Morgantown*, Petra Wood.

CANADA

ALBERTA: *Edmonton*, Brenda Dale.

BRITISH COLUMBIA: *Naramata*, Dick Cannings.

NEW BRUNSWICK: *Sackville*, Dan Busby.

ONTARIO: *Mississauga*, Rachel Sturge; *Newmarket*, Kimberly Jones; *Ottawa*, Brian Collins, Constance Downes, Erica Dunn, Charles M. Francis, Bev McBride; *Toronto*, Ioana Chiver, Melissa Evans, Alex Mills, Levi Moore, James Rising, Bridget Stutchbury, Bonnie Woolfenden.

QUÉBEC: *Sainte-Foy*, Gilles Falardeau.

SASKATCHEWAN: *Saskatoon*, Mary Houston, Stuart Houston, Alan R. Smith.